

WHAT IS CLAIMED IS:

1. A riding simulation system for providing an operator with a simulated experience of a running condition of a motorcycle, said system comprising:

a display for displaying scenery viewable to the operator as a video image on the display, wherein said video image is simulated based on an operating condition designated by the operator through the operation of an operating condition simulating mechanism;

a steering handle mechanism capable of being gripped by the operator;

a body comprising a pair of frames for rotatably securing said steering handle mechanism; and

a control unit for said system being mounted between said pair of frames.

2. The riding simulation system according to claim 1, said steering handle mechanism further comprising:

a steering stem having a generally fan-shaped upper portion,

an elongate steering handle being integrally held on the steering stem through a holder,

lever joint portions through which at least one of a clutch lever and a brake lever are held on the steering handle, and

left and right grips which are mounted respectively to end portions of the steering handle.

3. The riding simulation system according to claim 1, further comprising a clutch lever and a brake lever.

4. The riding simulation system according to claim 1, further comprising a steering handle angle sensor for detecting a turning amount of a tip end portion of the stem member.

5. The riding simulation system according to claim 2, further comprising a steering handle angle sensor for detecting a turning amount of a tip end portion of the stem member.

6. The riding simulation system according to claim 1, wherein the steering handle mechanism is formed in a cylindrical shape and includes a throttle grip for an accelerating operation of the motorcycle displayed on the display.

7. The riding simulation system according to claim 2, wherein the steering handle mechanism is formed in a cylindrical shape and includes a throttle grip for an accelerating operation of the motorcycle displayed on the display.

8. The riding simulation system according to claim 5, wherein the steering handle mechanism is formed in a cylindrical shape and includes a throttle grip for an accelerating operation of the motorcycle displayed on the display.

9. The riding simulation system according to claim 1, wherein said display is a display for a personal computer.

10. The riding simulation system according to claim 1, said control unit further including

- a casing being formed in a substantially box-like shape,
- a circuit substrate being disposed in an interior of the casing, and
- a plurality of connection cables being connected to the circuit substrate through connectors.

11. The riding simulation system according to claim 8, said control unit further including

a casing being formed in a substantially box-like shape,
a circuit substrate being disposed in an interior of the casing, and
a plurality of connection cables being connected to the circuit substrate through connectors.

12. The riding simulation system according to claim 1, wherein the casing is disposed between a first main frame and a second main frame, and said casing is provided with a plurality of flange portions projecting to a side of the casing adjacent the first main frame and is provided with a plurality of flange portions projecting to a side of the casing adjacent second main frame.

13. The riding simulation apparatus according to claim 12, wherein the flange portions are spaced from each other by a predetermined interval.

14. The riding simulation apparatus according to claim 11, wherein the circuit substrate is disposed in the interior of the casing, the connectors are disposed at a lower end portion of the circuit substrate, and the connection cables are connected to the circuit substrate through the connectors.

15. The riding simulation system according to claim 12, wherein the casing is disposed between a first main frame and a second main frame, and said casing is provided with a plurality of flange portions projecting to a side of the casing adjacent the first main frame and is provided with a plurality of flange portions projecting to a side of the casing adjacent second main frame.

16. The riding simulation apparatus according to claim 15, wherein the flange portions are spaced from each other by a predetermined interval.

17. A riding simulation system for providing an operator with a simulated experience of a running condition of a motorcycle, said system comprising:

a display for displaying scenery viewable to the operator as a video image on the display, wherein said video image is simulated based on an operating condition designated by the operator through the operation of an operating condition simulating mechanism;

a steering handle mechanism capable of being gripped by the operator;

a body comprising a pair of frames for rotatably securing said steering handle mechanism;

a control unit for said system being mounted between said pair of frames; and

an elevated table, wherein said pair of frames are secured to the elevated table.